

ABSTRACT

Provided are a novel *Candida tropicalis* CJ-FID (KCTC 10457BP) derived from honey and a method for producing xylitol using the same. The method includes culturing the *Candida tropicalis* CJ-FID itself or an alginate-immobilized *Candida tropicalis* CJ-FID in a fermentation medium containing high concentration xylose and sucrose to obtain xylitol-containing culture, followed by purification with an activated charcoal column and anion column, to finally obtain a powdery xylitol. Therefore, high purity xylitol can be produced with high yield and productivity.